

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365823

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR94**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR94
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM GLASS, TEMPERED CLEAR 0.187", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4174.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

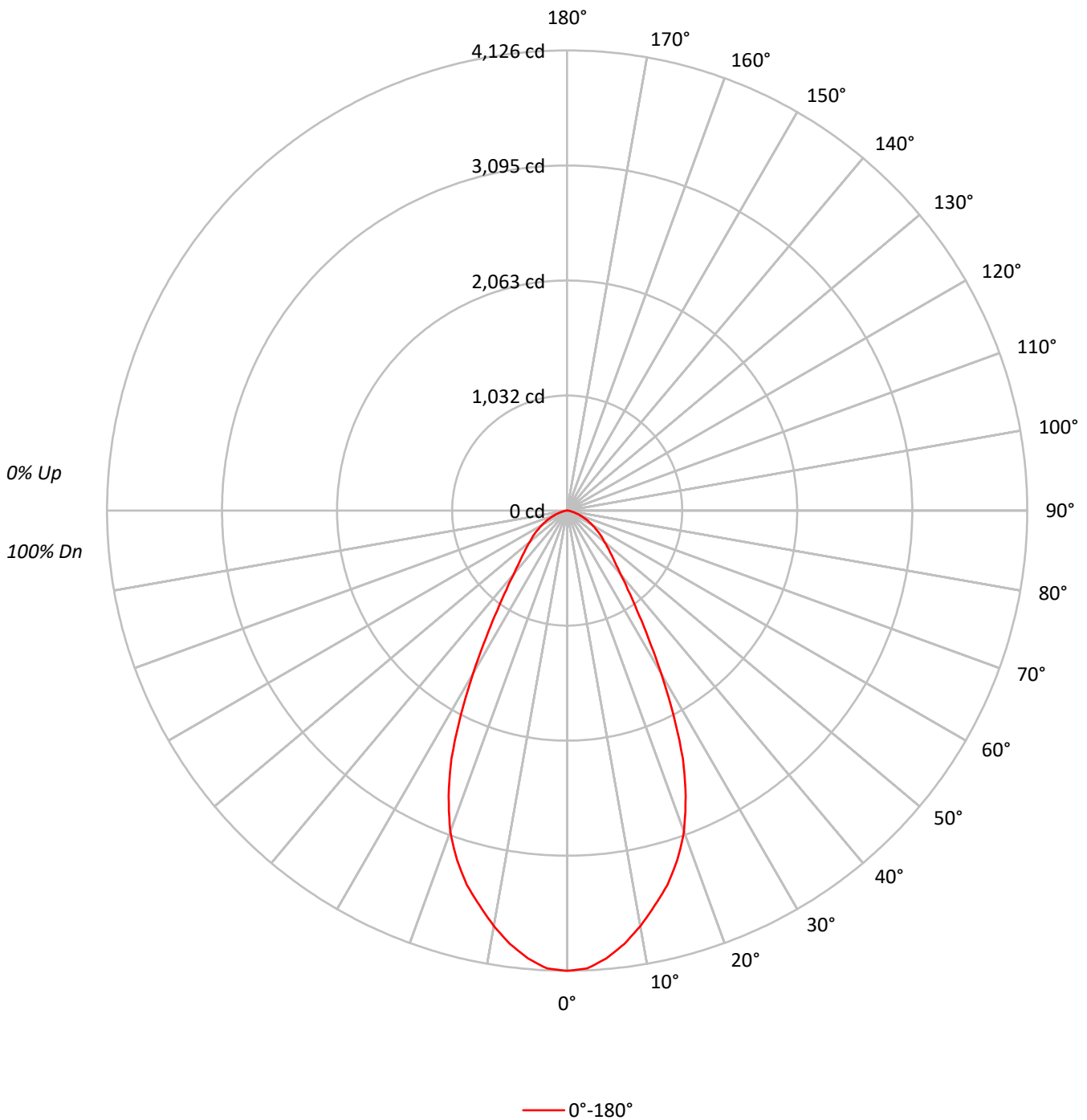
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365823

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR94

Luminous Intensity Polar Plot





TEST NUMBER: P365823

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR94

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	78	71	66	85	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	56	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	295436
5°	289651
10°	275092
15°	257520
20°	233430
25°	193844
30°	139057
35°	95347
40°	69943
45°	56767
50°	48857
55°	43342
60°	37620
65°	31801
70°	25038
75°	18176
80°	11587
85°	13473



TEST NUMBER: P365823

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR94

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.8	9.0
10°-20°	968.3	23.2
20°-30°	1099.5	26.3
30°-40°	703.7	16.9
40°-50°	439.6	10.5
50°-60°	311.3	7.5
60°-70°	186.2	4.5
70°-80°	72.5	1.7
80°-90°	16.0	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2444.7	58.6
0°-40°	3148.4	75.4
0°-60°	3899.3	93.4
0°-90°	4174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4174.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4126	
5°	4030	377
15°	3474	968
25°	2454	1099
35°	1091	704
45°	561	440
55°	347	311
65°	188	186
75°	66	73
85°	16	16
90°	0	



TEST NUMBER: P365823

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8030-F6LBXVM1-MW-BTR94

CANDELA DISTRIBUTION (FULL):

0°	
0°	4126.1
2.5°	4109.7
5°	4029.9
7.5°	3919.7
10°	3783.6
12.5°	3626.5
15°	3474.0
17.5°	3284.0
20°	3063.5
22.5°	2777.3
25°	2453.6
27.5°	2061.9
30°	1681.9
32.5°	1351.1
35°	1090.8
37.5°	896.1
40°	748.3
42.5°	638.0
45°	560.6
47.5°	494.9
50°	438.6
52.5°	394.1
55°	347.2
57.5°	302.6
60°	262.7
62.5°	222.8
65°	187.7
67.5°	152.5
70°	119.6
72.5°	91.5
75°	65.7
77.5°	44.6
80°	28.1
82.5°	18.8
85°	16.4
87.5°	9.4
90°	0.0

(END OF REPORT)